

Title (en)

SAFETY MECHANISM FOR A FOOD PROCESSOR HAVING TWO COUPLING POINTS

Title (de)

SICHERHEITSMECHANISMUS FÜR EINE KÜCHENMASCHINE MIT ZWEI KUPPLUNGSSTELLEN

Title (fr)

MÉCANISME DE SÉCURITÉ POUR UN ROBOT MÉNAGER COMPORTANT DEUX POINTS D'ACCOUPLEMENT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008031708A2] A food processor (1) comprises two coupling points for processing tools (2, 3, 4, 5), said coupling points being arranged on the housing of food processor at a distance from each other, a shaft on every coupling point driven by a motor of the food processor (1), a contact switch (25), adapted to interrupt a power supply to the motor, and a detection device (6, 7) on every coupling point, whereby said detection device can be actuated by placing a processing tool (2, 3, 4, 5) or a cover element on the coupling point associated therewith. The contact switch (25) interacts with the detection devices (6, 7) in such a manner that it can be in a position in which the motor can be supplied with power only if a processing tool (2, 3, 4, 5) or a cover element is placed on every coupling point. The invention allows reduction of the number of electrical switch components of the safety device of a food processor (1). It also allows integration of all electrical circuit components of the food processor (1) on a single printed circuit board. Finally it allows a rapid deceleration of the motor in a simple manner if processing tools are removed from the food processor (1) during operation.

IPC 8 full level

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CPC (source: EP)

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